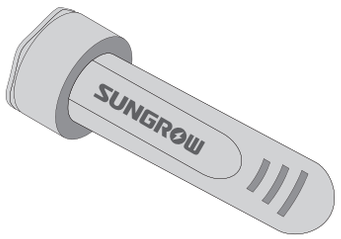
SUNGROW

SolarInfo WiFi Quick User Manual

WiFi-QIEN-Ver11-201308 Version: 1.1



Delivery Content: ■ 1 × WiFi ■ 1 × SolarInfo WiFi Quick User Manual ■ 1 × Quality certificate

Introduction

SolarInfo WiFi (the WiFi) is mainly used in Sungrow string inverters (SG3KTL-M, SG4KTL-M, SG5KTL-M) to realize simple and quick access to Internet. Users can easily check device information by logging in the PV power station data monitoring center SolarInfo Bank (www.solarinfobank.com). The communication topology is as shown below:

Description of Symbols

NOTE

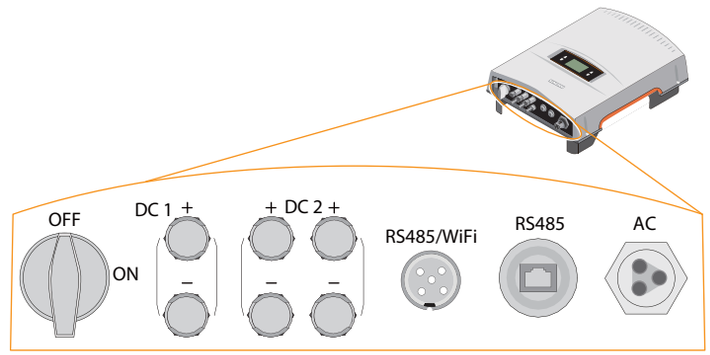
"Note" indicates additional information in the document and provides emphasis and supplements to the main contents. It also provides optimized product use skills or tips to save your time.

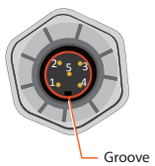
To ensure normal use of the device, before using the device, be sure that:

a. The selected Wireless Router can access to Internet normally and it is contained in the **SolarInfo WiFi-Compatible Routers List**, available at www.sungrowpower.com.
b. The communication address of the inverter is between 1 and 15. The communication addresses of inverters can be set on the LCD of inverters.
c. A WiFi-enabled mobile phone or a laptop computer are connected to this device for parameter setting.
d. Don't use the WiFi and PC monitor simultaneously due to their different communication protocols

1 Electrical Connection

Connect WiFi to the corresponding interface on the inverter. SG5KTL-M will be used as an example in this manual. Please perform relevant operations as indicated below:



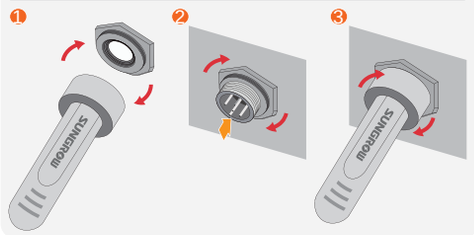


SolarInfo WiFi Interface

SolarInfo WiFi Installation

1.Unscrew the adapter.
2.Connect the adapter to the RS485/WiFi interface of the inverter.
3.Insert WiFi into RS485/WiFi interface and fasten the WiFi.

NOTE
Please cut off the power supply of the inverter before plugging WiFi.



NOTE

The device must be kept away from large metal objects and electrical devices with strong magnetic fields, such as microwave oven, refrigerator, cordless phone, concrete wall, PV panel and metal wall, to ensure the communication quality. Communication quality may be affected in lightning storms.

2 Parameter Setting

2.1 Setting up WiFi connection

Proceed as follows 30s after SolarInfoWiFi power on. Usually it takes 42s for the SolarInfoWiFi to connect to the BANK.

Step 1 Connect WiFi terminal to SolarInfoWiFi, take iPhone 4 for example:

Click Setting

Select Wi-Fi to enable the Wi-Fi function

Start WiFi to search wireless networks

NOTE
The network number is the combination of the product type and serial number on the nameplate. The serial number of SolarInfo WiFi above is SG-131006117.

Wi-Fi Networks
Wi-Fi ON
Choose a Network...
SG-131006117
Tenda_F742A8
Other...
Ask to Join Networks ON
Known networks will be joined automatically. If no known networks are available, you will be asked before joining a new network.

Click to connect SolarInfo WiFi

Wi-Fi Networks
Wi-Fi ON
Choose a Network...
✓ SG-131006117
Tenda_F742A8
Other...
Ask to Join Networks ON
Known networks will be joined automatically. If no known networks are available, you will be asked before joining a new network.

If a tick appears, it indicates the connection is successful

Step 2 Enter "11.11.11.1" into the browser address bar and the available router lists will appear. If the appointed router appears, click and enter into Step 3. Click Refresh if otherwise. The interval for clicking refresh should be more than 5s. If the appointed router still dose not appear after you clicked Refresh for several times, please manually enter parameter as shown in Step3 d).

Step 3 Input the router-visiting password, click OK and Fig. 3 will appear. The router configuration is finished and then SolarInfo WiFi will disconnect and restart. Check the LCD screen of the inverter for router configuration state.

- If the configuration is completed successfully, the WiFi icon will appear and stay on the LCD screen as shown in section 2.2.
- If the WiFi icon keeps blinking for 2 minutes after the router configuration finished, user needs to go through from Step 1 and enter into corresponding pages or through the LCD display to check if the configuration is succeeded.

Fig 1

Fig 2

Fig 3

a)The "Incomplete setup, please SELECT a router for configuration" interface will appear the first time user enters into the page.

Fig 4

b)If the router password is wrong or the wireless environment is interfaced, the "Incorrect password or other errors, please reconfigure" interface will appear after reconnection.

Fig 5

2 Parameter Setting

c) The "Configuration is successful" interface will appear after the configuration succeeds.

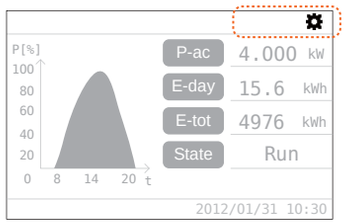
Fig 6

d) Click Advanced from any page, user can set certain advanced parameters.
Manually input the router address for connection during abnormal situation. Input the router name and visiting password, and then click OK. Fig 3 will appear;

Fig 7

2.2 WiFi configuration on LCD screen.

Corresponding icons will appear located on the upper right corner of the LCD screen in the process of WiFi configuration.



Button	Operation	Description
1		WiFi configuration icon will appear on LCD screen automatically 30s after the LCD is energized.
2		If you succeed in configuring WiFi , WiFi will automatically connect to the Router selected .
3		The connection is in process if icon located on the upper right corner of the LCD screen blinks every 0.5s. icon will stay on if the connection is completed.
4		If WiFi has connected to the router, it will send data to the SolarInfo Bank server after 5 minutes. The Bank icon will appear indicating that WiFi has connected to the Bank.
5		If WiFi is disconnected from the Router, WiFi icon will blink and Bank connection fail icon will appear.

Troubleshooting

The icon stays on blinking:

- Information error of the configured Router, e.g. password error. Check and type in the correct password.
- Poor quality of the signal. Ensure that the number of signal bars of your selected Router exceed two.

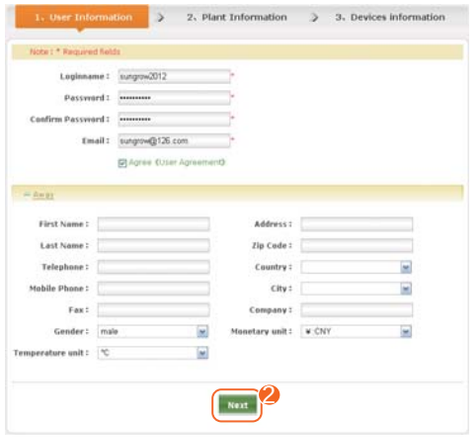
NOTE

The following browsers can be used for setting: Safari browser in Apple devices, built -in browser or Chrome browser in Android devices, IE6.0 or above browser, Chrome browser, Firefox browser in Window devices.

3 Registration and Adding PV Plant

1. Open a browser and enter the URL www.solarinfobank.com to view the homepage of SolarInfo Bank. Register a new user by clicking "Register".

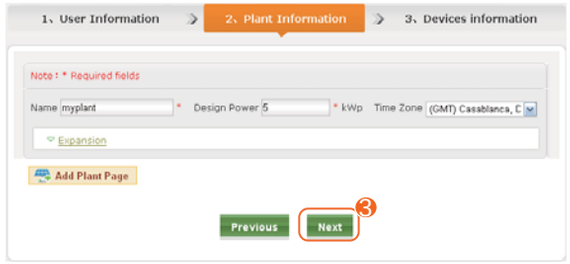
2. Fill in related information according to the requirements and click "Next" to complete the registration process.



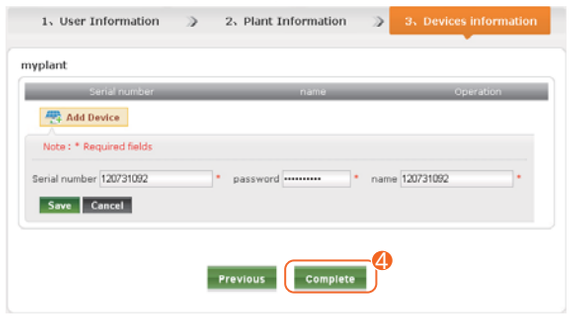
NOTE

Country, City, Gender, Monetary and Temperature: you can select the information through the pull-down menu or manually enter the country and city by selecting "Other".
Other information: you shall manually fill in other information.

3. Fill in related information according to the requirements and click "Next".



4. Fill in related information according to the requirements and click "Complete".



5. After complete all of the above 4 steps successfully, you can see overview information of the PV plant.

4 Viewing Plant Data

You can view the plant data by logging into SolarInfo Bank through computer (see Scenario 1) or cellphone/iPad (see Scenario 2).

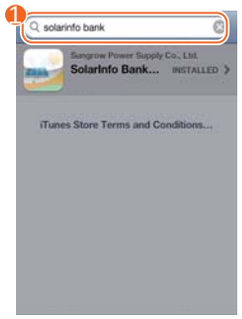
Scenario 1: Logging into SolarInfo Bank through computer

- Enter the URL www.solarinfobank.com into your computer to view the homepage of SolarInfo Bank. Enter the correct username and password, and click "login" to log into the SolarInfo Bank system.

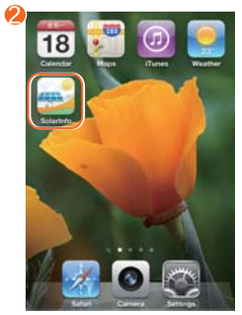
- You can view the details of the plant added in 3-2 in SolarInfo Bank system. The system comprises two areas, as shown in the following figure:

Scenario 2: Logging into SolarInfo Bank through cellphone/iPad

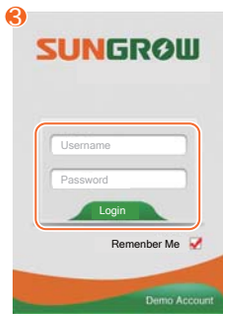
Log into SolarInfo Bank by downloading and installing APP into your cellphone or iPad. Take iPhone 4 for example, the related pages of SolarInfo Bank are shown below.



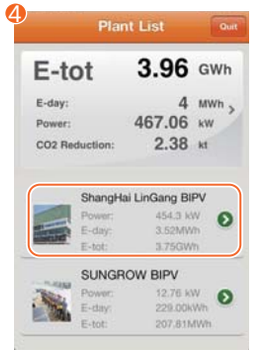
Search for SolarInfo Bank and install



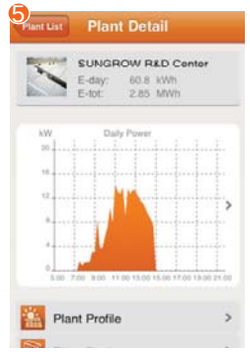
Open SolarInfo Bank



Enter username and password to login



Selected the target plant



View the plant data

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